Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				**Application Number**	10/678,946
				Filing Date	October 2, 2003
				First Named Inventor	Hong, Jong Wook
				Art Unit	1637
(Use as many sheets as necessary)				Examiner Name	David C. Thomas
Sheet	1	of	4	Attorney Docket Number	87159-670195

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A19	US-2004-0180377	9/16/2004	Manger et al.	
	A20	US-2005-0053952	3/10/2005	Hong et al.	
	A21	US-2006-0172408	8/3/2006	Quake et al.	
	A22	US-2006-0281183	12/14/2006	Sun et al.	
	A23	US-2007-0134807	6/14/2007	Bao et al.	
	A24	US-2007-0224617	9/27/2007	Quake et al.	
	A25	US-2007-0248971	10/25/2007	Maerkl et al.	
	A26	US-2008-0050283	2/28/2008	Chou et al.	
	A27	US-2008-0075380	3/27/2008	Dube et al.	
	A28	US-2008-0108063	5/8/2008	Lucero et al.	
	A29	US-2008-0129736	6/5/2008	Sun et al.	
	A30	US-2008-0176211	7/24/2008	Spence et al.	
	A31	US-2008-0223721	9/18/2008	Cohen et al.	
	A32	US-2008-0230387	9/25/2008	McBride et al.	
	A33	US-2008-0264863	10/30/2008	Quake et al.	
	A34	US-2008-0274493	11/6/2008	Quake et al.	
	A35	US-2008-0281090	11/13/2008	Lee et al.	
	A36	US-2008-0292504	11/27/2008	Goodsaid et al.	
	A37	US-2009-0018195	1/15/2009	Balagadde	
	A38	US-2009-0035838	2/5/2009	Quake et al.	
	A39	US-2009-0069194	3/12/2009	Ramakrishnan	
	A40	US-2009-0142236	6/4/2009	Unger et al.	
	A41	US-2009-0147918	6/11/2009	Fowler et al.	
	A42	US-2009-0239308	9/24/2009	Dube et al.	
	A43	US-2009-0291435	11/26/2009	Unger et al.	
	A44	US-2010-0104477	4/29/2010	Liu et al.	
	A45	US-2010-0120018	5/13/2010	Quake et al.	
	A46	US-2010-0120077	5/13/2010	Daridon	
	A47	US-2010-0166608	7/1/2010	Quan et al.	
	A48	US-2010-0171954	7/8/2010	Quake et al.	

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U.S. PATENT DOCUMENTS

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	A49	US-2010-0183481	7/22/2010	Facer et al.	
	A50	US-2010-0184202	7/22/2010	McBride et al.	
	A51	US-2010-0187105	7/29/2010	Unger et al.	
	A52	US-2010-0196892	8/5/2010	Quake et al.	
	A53	US-2010-0197522	8/5/2010	Liu et al.	
	A54	US-2010-0200782	8/12/2010	Unger et al.	
	A55	US-2010-0230613	9/16/2010	Pieprzyk et al.	
	A56	US-2010-0263732	10/21/2010	Hansen et al.	
	A57	US-2010-0263757	10/21/2010	Fernandes et al.	
	A58	US-2010-0311060	12/9/2010	Facer et al.	
	A59	US-2010-0320364	12/23/2010	Unger et al.	
	A60	US-3,403,698	10/01/1968	Klun	
	A61	US-3,599,525	8/17/1971	Klann	
	A62	US-4,250,929	2/17/1981	Andreev et al.	
	A63	US-4,565,026	8/6/2010	Hansen et al.	
	A64	US-5,578,528	11/1/1996	Wuu et al.	
	A65	US-6,102,068	8/15/2000	Higdon et al.	
	A66	US-6,352,838	5/1/2002	Krulevitch et al.	
	A67	US-6,540,895	4/1/2003	Spence et al.	
	A68	US-6,951,632 B2	10/4/2005	Unger et al.	
	A69	US-7,042,649	5/9/2006	Quake et al.	
	A70	US-7,059,348	6/13/2006	Nat	
	A71	US-7,062,418	6/13/2006	Lee et al.	
	A72	US-7,097,809	8/29/2006	Dam et al.	
	A73	US-7,161,736	1/9/2007	Legrand et al.	
	A74	US-7,192,629	3/20/2007	Lammertink et al.	
	A75	US-7,217,367	5/15/2007	Huang et al.	
	A76	US-7,232,109	6/19/2007	Driggs et al.	
	A77	US-7,248,413	7/24/2007	Quake et al.	
	A78	US-7,262,923	8/28/2007	Quake et al.	

Examiner Signature		Date Considered	

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U.S. PATENT DOCUMENTS

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	A79	US-7,279,146	10/9/2007	Nassef	
	A80	US-7,291,512	11/6/2007	Unger	
	A81	US-7,368,163	5/6/2008	Huang et al.	
	A82	US-7,442,556	10/28/2008	Manger et al.	
	A83	US-7,476,363	1/13/2009	Unger et al.	
	A84	US-7,526,741	4/28/2009	Lee et al.	
	A85	US-7,604,965	10/20/2009	McBride et al.	
	A86	US-7,678,547	3/16/2010	Eyal et al.	
	A87	US-7,749,737	7/6/2010	McBride et al.	
	A88	US-7,792,345	9/7/2010	Taylor et al.	
	A89	US-7,815,868	10/19/2010	Jones et al.	
	A90	US-7,820,427	10/26/2010	Unger et al.	
	A91	US-7,833,708	11/16/2010	Enzelberger et al.	
	A92	US-7,837,946	11/23/2010	McBride et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]	Number[4]	Kind Code[5] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
	B2	WO	2001/067369	A2	9/13/2001	California Institute of Technology		☐
	B3	WO	2007/033385	A2	3/22/2007	Fluidigm Corporation		☐
	B4	WO	2007/044091	A2	4/19/2007	Fluidigm Corporation		☐
	B5	WO	2008/043046	A2	4/10/2008	Fluidigm Corporation		☐
	B6	WO	2009/100449	A1	8/13/2009	Fluidigm Corporation		☐
	B7	WO	2010/011852	A1	1/28/2010	Fluidigm Corporation		☐
	B8	WO	2010/017210	A1	2/11/2010	Fluidigm Corporation		☐
	B9	WO	2010/077618	A1	7/8/2010	Fluidigm Corporation		☐

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[6]
	C8	HANSEN, CARL. L. et al., "Systematic Investigation Of Protein-Phase Behavior With A Microfluidic Formulator," PNAS Early Edition, 6 pages, 2004	☐
	C9	HONG, JONG WOOK et al., "A Nanoliter-Scale Nucleic Acid Processor With Parallel Architecture," Nature Biotechnology, Vol. 22, No. 4, pp. 1-5, April 2004	☐
	C10	FIEDLER, STEFAN et al., "Dielectrophoretic Sorting Of Particles And Cells In A Microsystem," Analytical Chemistry, Vol. 70, No. 9, pp. 1909-1915, 5/1/1998	☐
	C11	ZHENG, BO et al., "A Droplet-Based, Composite PDMS/Glass Capillary Microfluidic System For Evaluating Protein Crystallization Conditions By Microbatch And Vapor-Diffusion Methods With On-Chip X-Ray Diffraction," Angew. Chem., pp 1-4, 2004	☐

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